

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| S2 | 0 | (device adj deice) near copy\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 13:45 |
| S4 | 31 | (device adj device) near copy\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 13:46 |
| S3 | 0 | (device adj to adj deice) near copy\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 13:49 |
| S5 | 0 | (device adj to adj device) near copy\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 13:56 |
| S6 | 13 | ("4400778" "5649152" "5819292" "5835953" "5913028" "6038639" "6073222" "6078932" "6085298" "6128306" "6205479" "6212531" "6256739").pn. | US-PGPUB; USPAT | OR | OFF | 2005/04/29 13:57 |
| S7 | 1439 | network adj attached adj storage | US-PGPUB; USPAT | OR | OFF | 2005/04/29 15:54 |
| S8 | 18 | (network adj attached adj storage) and (copy \$3 with direct\$2 with device\$1) | US-PGPUB; USPAT | OR | OFF | 2005/04/29 16:00 |
| S9 | 1806 | (copy\$3 with direct\$2 with device\$1) | US-PGPUB; USPAT | OR | OFF | 2005/04/29 16:02 |
| S10 | 202 | (copy\$3 near3 direct\$2 near2 device\$1) | US-PGPUB; USPAT | OR | OFF | 2005/04/29 16:03 |
| S11 | 15 | ((data or file\$1) with (copy\$3 near3 direct\$2 near2 device\$1)) | US-PGPUB; USPAT | OR | OFF | 2005/04/29 16:29 |
| S12 | 4243 | 707/201-204.ccls. or 711/161-162.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/04/29 16:30 |

| | | | | | | |
|-----|-------|--|-----------------|----|-----|------------------|
| S13 | 495 | (707/201-204.ccls. or 711/161-162.ccls.) and snapshot | US-PGPUB; USPAT | OR | OFF | 2005/05/02 14:51 |
| S15 | 71 | (storage adj area adj network\$1) with advantag\$6 | US-PGPUB; USPAT | OR | OFF | 2005/05/02 14:57 |
| S14 | 70 | (707/201-204.ccls. or 711/161-162.ccls.) and snapshot and (storage adj area adj network\$1) | US-PGPUB; USPAT | OR | OFF | 2005/05/02 14:57 |
| S1 | 2 | mercier.in. and fuller.in. | US-PGPUB; USPAT | OR | OFF | 2005/11/21 17:31 |
| S16 | 33797 | device adj (controller\$1 or driver\$1) | US-PGPUB; USPAT | OR | OFF | 2005/11/21 17:32 |
| S18 | 38 | (device adj (controller \$1 or driver\$1)) with (copy or copying or copie\$1 or replicat\$3 or mov\$3) with directly | US-PGPUB; USPAT | OR | OFF | 2005/11/21 17:34 |
| S17 | 1557 | (device adj (controller \$1 or driver\$1)) with (copy or copying or copie\$1 or replicat\$3 or mov\$3) | US-PGPUB; USPAT | OR | OFF | 2005/11/21 17:34 |
| S20 | 22 | (snapshot adj range) | US-PGPUB; USPAT | OR | OFF | 2008/08/26 11:06 |
| S19 | 0 | (US "6038639" A US "6205479" B1 US "6256739" B1 US "5819292" A US "4400778" A US "6078932" A US "5913028" A US "6085298" A US "6128306" A US "6421723" B1 US "5867733" A US "6523102" B1 US "5649152" A US "6073222" A US "5835953" A US "6212531" B1).pn. and (snapshot adj range) | US-PGPUB; USPAT | OR | OFF | 2008/08/26 11:06 |
| S21 | 0 | (snapshot adj range) near3 determin\$5 | US-PGPUB; USPAT | OR | OFF | 2008/08/26 11:07 |
| S23 | 119 | ("5649152").URPN. | USPAT | OR | OFF | 2008/08/26 11:13 |
| S22 | 0 | (snapshot near range) near3 determin\$5 | US-PGPUB; USPAT | OR | OFF | 2008/08/26 11:13 |

| | | | | | | |
|-----|-----|--|---------------------------|----|-----|---------------------|
| S25 | 9 | ("5649152").URPN. and (determin\$5 near3 within) | USPAT | OR | OFF | 2008/08/26 11:14 |
| S24 | 112 | ("5649152").URPN. and (determin\$5) | USPAT | OR | OFF | 2008/08/26 11:14 |
| S26 | 153 | ("3054560" "3303474" "3444528" "3533082" "3544477" "3557315" "3602900" "3623014" "3636331" "3665173" "3681578" "3725861" "3735356" "3754211" "3760364" "3761884" "3771137" "3803568" "3810119" "3810121" "3812469" "3820085" "3824547" "3828321" "3864670" "3865999" "3889237" "3959638" "4012717" "4051461" "4073005" "4076961" "4099241" "4118772" "4141066" "4152764" "4156901" "4159517" "4164017" "4191996" "4208715" "4228503" "4257009" "4270167" "4282572" "4318173" "4332027" "4351023" "4358823" "4359718" "4371754" "4378588" "4380047" "4380067" "4402046" "4403286" "4403303" "4423414" "4428044" "4430699" "4434487" "4439859" "4445214" "4453215" "4455601" "4455645" "4459658" "4471429" "4477882" "4477895" "4479214" "4480304" "4483001" "4484275" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 11:22 |

"4486826" |
"4498145" | "4507751"
"4516121" |
"4521847" | "4530051"
"4530052" |
"4562535" | "4581701"
"4583089" |
"4589090" | "4590554"
"4604690" |
"4607365" | "4608688"
"4610013" |
"4615001" | "4623883"
"4628508" |
"4630224" | "4639852"
"4639856" |
"4644470" | "4646300"
"4648031" |
"4648061" | "4652940"
"4654819" |
"4654846" | "4654857"
"4656596" |
"4674038" | "4680581"
"4691314" |
"4703421" | "4703481"
"4713811" |
"4727516" | "4736339"
"4740969" |
"4750177" | "4754397"
"4800488" |
"4823256" | "4866707"
"4878167" |
"4941087" | "4953122"
"4959768" |
"4959774" | "4979108").
FN. OR ("5005122" |
"5038278" | "5060185"
"5079740" |
"5086502" | "5123099"
"5157663" |
"5235700" | "5276867"
"5295258" |
"5307481" | "5343477"
"5403639" |
"5410667" | "5426747"
"5435004" |
"5455932" | "5513314"
"5515502" |
"5530855" | "5537533"
"5537585" |
"5544347").FN.

| | | | | | | |
|-----|-----|--|---------------------------|----|-----|---------------------|
| S27 | 130 | ("3054560" "3303474" "3444528" "3533082" "3544477" "3557315" "3602900" "3623014" "3636331" "3665173" "3681578" "3725861" "3735356" "3754211" "3760364" "3761884" "3771137" "3803568" "3810119" "3810121" "3812469" "3820085" "3824547" "3828321" "3864670" "3865999" "3889237" "3959638" "4012717" "4051461" "4073005" "4076961" "4099241" "4118772" "4141066" "4152764" "4156901" "4159517" "4164017" "4191996" "4208715" "4228503" "4257009" "4270167" "4282572" "4318173" "4332027" "4351023" "4358823" "4359718" "4371754" "4378588" "4380047" "4380067" "4402046" "4403286" "4403303" "4423414" "4428044" "4430699" "4434487" "4439859" "4445214" "4453215" "4455601" "4455645" "4459658" "4471429" "4477882" "4477895" "4479214" "4480304" "4483001" "4484275" "4486826" "4498145" "4507751" "4516121" "4521847" "4530051" "4530052" "4562535" "4581701" | US-PGRUB; USPAT; USOCR | OR | OFF | 2008/08/26 11:23 |
|-----|-----|--|---------------------------|----|-----|---------------------|

"4583089" |
"4589090" | "4590554"
"4604690" |
"4607365" | "4608688"
"4610013" |
"4615001" | "4623883"
"4628508" |
"4630224" | "4639852"
"4639856" |
"4644470" | "4646300"
"4648031" |
"4648061" | "4652940"
"4654819" |
"4654846" | "4654857"
"4656596" |
"4674038" | "4680581"
"4691314" |
"4703421" | "4703481"
"4713811" |
"4727516" | "4736339"
"4740969" |
"4750177" | "4754397"
"4800488" |
"4823256" | "4866707"
"4878167" |
"4941087" | "4953122"
"4959768" |
"4959774" | "4979108").
FN. OR ("5005122" |
"5038278" | "5060185"
"5079740" |
"5086502" | "5123099"
"5157663" |
"5235700" | "5276867"
"5295258" |
"5307481" | "5343477"
"5403639" |
"5410667" | "5426747"
"5435004" |
"5455932" | "5513314"
"5515502" |
"5530855" | "5537533"
"5537585" |
"5544347").FN. and
(determin\$5 near3
within)

| | | | | | | |
|-----|---|---|---------------------------|----|-----|---------------------|
| S28 | 7 | (("3054560" "3303474" "3444528" "3533082" "3544477" "3557315" "3602900" "3623014" "3636331" "3665173" "3681578" "3725861" "3735356" "3754211" "3760364" "3761884" "3771137" "3803568" "3810119" "3810121" "3812469" "3820085" "3824547" "3828321" "3864670" "3865999" "3889237" "3959638" "4012717" "4051461" "4073005" "4076961" "4099241" "4118772" "4141066" "4152764" "4156901" "4159517" "4164017" "4191996" "4208715" "4228503" "4257009" "4270167" "4282572" "4318173" "4332027" "4351023" "4358823" "4359718" "4371754" "4378588" "4380047" "4380067" "4402046" "4403286" "4403303" "4423414" "4428044" "4430699" "4434487" "4439859" "4445214" "4453215" "4455601" "4455645" "4459658" "4471429" "4477882" "4477895" "4479214" "4480304" "4483001" "4484275" "4486826" "4498145" "4507751" "4516121" "4521847" "4530051" "4530052" "4562535" | US-PGRUB; USPAT; USOCR | OR | OFF | 2008/08/26 11:24 |
|-----|---|---|---------------------------|----|-----|---------------------|

| | | | | | | |
|-----|-------|---|---------------------------|----|-----|---------------------|
| | | "4581701" "4583089" "4589090" "4590554" "4604690" "4607365" "4608688" "4610013" "4615001" "4623883" "4628508" "4630224" "4639852" "4639856" "4644470" "4646300" "4648031" "4648061" "4652940" "4654819" "4654846" "4654857" "4656596" "4674038" "4680581" "4691314" "4703421" "4703481" "4713811" "4727516" "4736339" "4740969" "4750177" "4754397" "4800488" "4823256" "4866707" "4878167" "4941087" "4953122" "4959768" "4959774" "4979108").FN. OR ("5005122" "5038278" "5060185" "5079740" "5086502" "5123099" "5157663" "5235700" "5276867" "5295258" "5307481" "5343477" "5403639" "5410667" "5426747" "5435004" "5455932" "5513314" "5515502" "5530855" "5537533" "5537585" "5544347"). FN.) and (determin\$5 near3 within) | | | | |
| S30 | 2600 | (block\$1 near2 (move or copy or moving or copying)) same (write or writing) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:20 |
| S29 | 46810 | (block\$1 near2 (move or copy or moving or copying)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:20 |

| | | | | | | |
|-----|------|---|---------------------------|----|-----|---------------------|
| S31 | 31 | (block\$1 near2 (move or copy or moving or copying)) same ((write or writing) near2 within) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:21 |
| S32 | 5760 | (block\$1 near2 (move or copy or moving or copying)) and consisten \$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:28 |
| S34 | 42 | (block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (write\$1 or writing) with within) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:29 |
| S33 | 488 | (block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (write\$1 or writing)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:29 |
| S36 | 21 | (snapshot) same (consisten\$2 with (write \$1 or writing) with within) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:32 |
| S35 | 46 | (snapshot) and (consisten\$2 with (write \$1 or writing) with within) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:32 |
| S37 | 21 | (snapshot) same (consisten\$2 with (write \$1 or writing) with within) | US-PGPUB; USPAT | OR | OFF | 2008/08/26 12:33 |
| S39 | 9 | (block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (detect\$3) near3 (writ\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:35 |
| S38 | 183 | (block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (detect\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:35 |
| S40 | 8 | (block\$1 near2 (move or copy or moving or copying)) and ((detect \$3) near3 (writ\$3) near3 within) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:37 |
| S41 | 1532 | (snapshot near2 creat \$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:50 |

| | | | | | | |
|-----|------|---|-------------------------------------|----|-----|---------------------|
| S43 | 68 | (snapshot near2 creat\$3) same (consisten\$3 with (updat\$3 or chang\$3 or modif\$6 or writ\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:51 |
| S42 | 151 | (snapshot near2 creat\$3) same (consisten\$3 same (updat\$3 or chang\$3 or modif\$6 or writ\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:51 |
| S44 | 28 | (snapshot near2 creat\$3) with (consisten\$3 with (updat\$3 or chang\$3 or modif\$6 or writ\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 12:52 |
| S45 | 12 | ((backup or archive) near2 creat\$3) with (consisten\$3 with (updat\$3 or chang\$3 or modif\$6 or writ\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/26 13:52 |
| S48 | 554 | cache near3 FIFO | USPAT | OR | OFF | 2008/08/27 09:05 |
| S47 | 787 | cache near5 FIFO | USPAT | OR | OFF | 2008/08/27 09:05 |
| S46 | 1465 | cache with FIFO | USPAT | OR | OFF | 2008/08/27 09:05 |
| S49 | 6 | (cache near3 FIFO).ti. | USPAT | OR | OFF | 2008/08/27 09:07 |
| S51 | 9 | (cache near3 FIFO) with wait\$3 | USPAT | OR | OFF | 2008/08/27 09:20 |
| S50 | 1 | (cache near3 FIFO) with busy | USPAT | OR | OFF | 2008/08/27 09:20 |
| S53 | 36 | (copy\$3 near2 concurrent\$2) same snapshot | US-PGPUB; USPAT; EPO; DERWENT | OR | OFF | 2009/04/08 10:52 |
| S52 | 558 | (copy\$3 near2 concurrent\$2) | US-PGPUB; USPAT; EPO; DERWENT | OR | OFF | 2009/04/08 10:52 |
| S54 | 22 | out adj band adj protocol | US-PGPUB; USPAT | OR | OFF | 2009/04/09 11:12 |
| S55 | 1 | "6970942".pn. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 11:28 |
| S56 | 1 | "6,205,479".pn. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 11:31 |
| S58 | 51 | ftp with replication | US-PGPUB; USPAT | OR | OFF | 2009/04/09 11:32 |
| S57 | 155 | ftp same replication | US-PGPUB; USPAT | OR | OFF | 2009/04/09 11:32 |

| | | | | | | |
|-----|-------|--|--------------------|----|-----|---------------------|
| S60 | 1 | "6510481".pn. | US-PGPUB; USPAT | OR | OFF | 2009/04/09 12:22 |
| S59 | 6 | "6510481" | US-PGPUB; USPAT | OR | OFF | 2009/04/09 12:22 |
| S61 | 17224 | "out-of-band" | US-PGPUB; USPAT | OR | OFF | 2009/04/09 12:23 |
| S62 | 950 | "out-of-band" adj (protocol or communication) | US-PGPUB; USPAT | OR | OFF | 2009/04/09 12:24 |
| S63 | 159 | ("out-of-band" adj (protocol or communication)) and replicat\$4 | US-PGPUB; USPAT | OR | OFF | 2009/04/09 12:33 |
| L2 | 17 | ((US "6038639" A US "6205479" B1 US "6256739" B1 US "5819292" A US "4400778" A US "6078932" A US "5913028" A US "6085298" A US "6128306" A US "6421723" B1 US "5867733" A US "6523102" B1 US "5649152" A US "6073222" A US "5835953" A US "6212531" B1 US "5953729" A US "5241631" A US "20070260830" A1 US "20050204108" A1 US "20040098547" A1 US "20030061456" A1 US "7107395" B1 US "6920537" B2 US "6487561" B1 US "6397308" B1 US "6385706" B1 US "5577069" A US "5867650" A US "6417943" B1).pn. and ((copy\$3 or copie\$1) near2 snapshot) | US-PGPUB; USPAT | OR | OFF | 2010/01/15 13:36 |
| L1 | 1776 | ((copy\$3 or copie\$1) near2 snapshot) | US-PGPUB; USPAT | OR | OFF | 2010/01/15 13:36 |
| L4 | 93 | ((((copy\$3 or copie\$1) near2 snapshot) with (copy adj operation\$1)) | US-PGPUB; USPAT | OR | OFF | 2010/01/15 13:45 |

| | | | | | | |
|----|----|---|--------------------|----|-----|---------------------|
| L3 | 93 | ((copy\$3 or copie\$1) near2 snapshot) with copy adj operation\$1) | US-PGPUB; USPAT | OR | OFF | 2010/01/15 13:45 |
| L5 | 46 | ((copy\$3 or copie\$1) near2 snapshot) with (write adj request\$2)) | US-PGPUB; USPAT | OR | OFF | 2010/01/15 13:54 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------------------|------------------|---------|---------------------|
| L6 | 4809 | 707/201,202,204.ccls. | USPAT; UPAD | OR | OFF | 2010/01/15 15:13 |
| L7 | 276 | 707/201,202,204.ccls. and (snapshot).clm. | USPAT; UPAD | OR | OFF | 2010/01/15 15:14 |
| L10 | 101 | 707/201,202,204.ccls. and (copy\$3 near3 snapshot).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/01/15 15:25 |
| L9 | 213 | 707/201,202,204.ccls. and (copy\$3 and snapshot).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/01/15 15:25 |
| L8 | 140 | 707/201,202,204.ccls. and (copy\$3 and snapshot).clm. | USPAT; UPAD | OR | OFF | 2010/01/15 15:25 |

1/ 15/ 10 3:35:38 PM

C:\Documents and Settings\LWassum\My Documents\EAST\Workspaces\10_800109.wsp